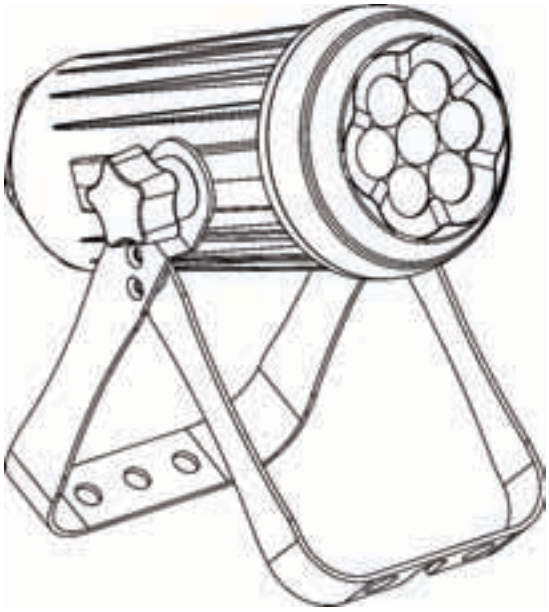
COLORdash™ Accent

Snapshot

Use on Dimmer	⊘
Outdoor Use	⊘
Sound Activated	⊘
DMX	✓
Master/Slave	✓
Autoswitching Power Supply	✓
Replaceable Fuse	⊘
User Serviceable	⊘
Duty Cycle	⊘

User Manual



CHAUVET
Value · Innovation · Performance

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1. BEFORE YOU BEGIN

What is included

- 1 x COLORdash™ Accent
- 1 x Warranty Card
- 1 x User Manual

Unpacking Instructions

Immediately upon receiving a fixture, carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or if the carton shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Manual Conventions

CHAUVET manuals use the following conventions to differentiate certain types of information from the regular text.

CONVENTION	MEANING
[10]	A DIP switch to be configured
<Menu>	A key to be pressed on the fixture's control panel
1~512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified (for example, showing the operating mode/current status)
MENU > Settings	A sequence of menu options to be followed
ON	A value to be entered or selected

Icons

CHAUVET manuals use the following icons to indicate information that requires special attention on the part of the user.

ICONS	MEANING
	This paragraph contains critical installation, configuration or operation information. Failure to comply with this information may render the fixture partially or completely inoperative, cause damage to the fixture or cause harm to the user or technician.
	This paragraph contains important installation or configuration information. Failure to comply with this information may prevent the fixture from functioning correctly.
	This paragraph contains useful, although not critical, information.

Safety Instructions

Please read these instructions carefully because they include important information about the installation, usage and maintenance of this product.

There are no user serviceable parts inside the unit. Any reference to servicing the unit you may find from now on will only apply to properly certified technicians. Do not open the housing or attempt any repairs unless you are one of them.

In the unlikely event that your unit may require service, please contact CHAUVET at (954) 929-1115.

- Keep this manual for future consultation. If you sell the unit to another user, make sure that they also receive this manual.
- Always make sure that you are connecting the unit to the proper voltage, as per the specifications.
- Always disconnect the unit from the power source before servicing.
- This product is for indoor use only! To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- Make sure there are no flammable materials close to the unit while operating.
- Always secure the fixture to a fastening device using a safety chain.
- Maximum ambient temperature (Ta) is 104° F (40° C). Do not operate the fixture at a higher temperature.
- In the event of a serious operating problem, stop using the unit immediately!
- Never connect the device to a dimmer pack.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the power cord by pulling or tugging on the cord.
- Avoid direct eye exposure to the light source while it is on.

Please refer to all applicable local codes and regulations for proper installation of this fixture.

LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. It is estimated that a viable lifespan of 40,000 to 50,000 hours will be achieved under normal operational conditions. If improving on this lifespan expectancy is of a higher priority, place care in providing for lower operational temperatures. This may include climatic-environmental and the reduction of overall projection intensity

2. INTRODUCTION

Features

- RGB+W dimmer 0-100%
- Color macro
- Strobe
- Direct DMX input
- Compatible with COLOR-CON Controller
- RGB color mixing with or without DMX controller
- Lightweight aluminum casing
- Natural convection cooling (no fans)
- Operating DMX modes
  - 3-channel: RGB control (ARC 1 personality)
  - 4-channel RGB+W control (ARC 2 personality)
  - 9-channel: RGB+W, dim, macro, strobe, automatic (STAGE 1 personality)
- Operating stand alone modes (no DMX controller)
  - AUTO mode (32 preset programs)
  - Master / Slave (AUTO or STATIC mode on)
  - RGB+W mixing (STATIC mode)

Additional Features

- High-power, 1 W (350 mA) LEDs
- Double-bracket yoke that doubles as floor stand

DMX Channel Summary

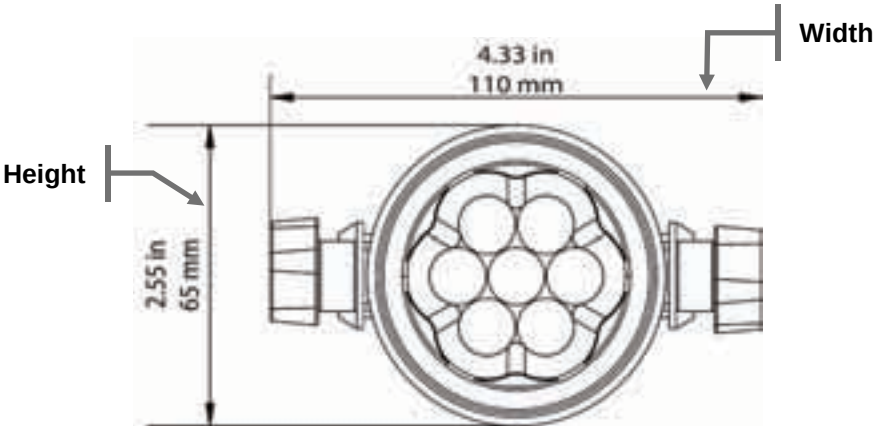
The COLORdash™ Accent has three DMX channel configurations, referred to as "Personalities" in this manual. The three personalities are STAGE 1, ARC 1 and ARC 2. Each of these personalities can be selected with the DIP switches on the back of the unit. Please see the "Operating Instructions" section for a description on how to accomplish this.

STAGE 1	CHANNEL	DESCRIPTION
	1	Dimmer
	2	Red
	3	Green
	4	Blue
	5	White
	6	Color Macro
	7	Strobe
	8	Auto Program Selection
	9	Auto Speed Adjustment

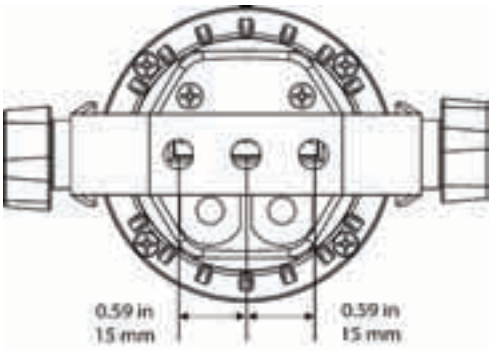
ARC 1	CHANNEL	DESCRIPTION
	1	Red
	2	Green
	3	Blue

ARC 2	CHANNEL	DESCRIPTION
	1	Red
	2	Green
	3	Blue
	4	White

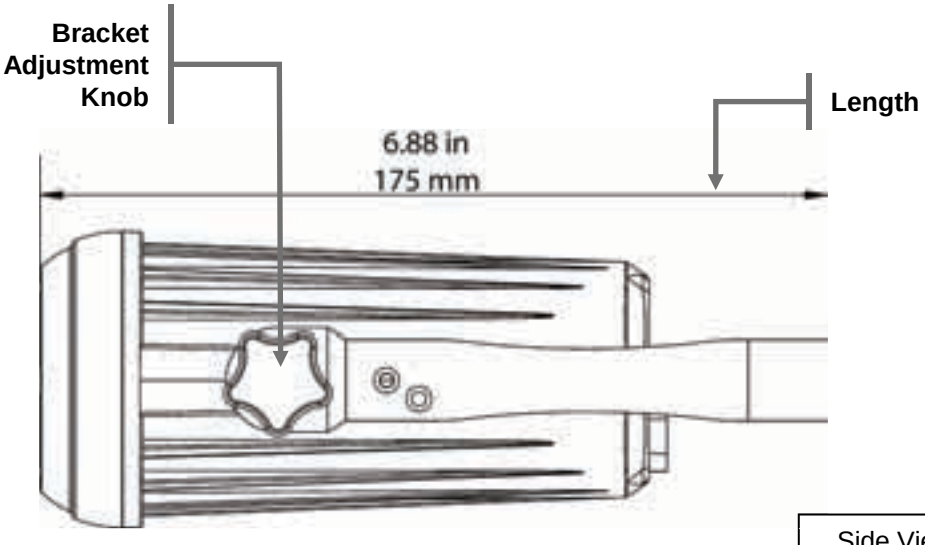
Product Dimensions



Front View



Rear View



Side View

3. SETUP

AC Power

This fixture has an auto-switching power supply that can accommodate a wide range of input voltages (100 ~ 240 VAC, 50/60 Hz). Before powering on the unit, make sure the line voltage to which you are connecting it is within the range of accepted voltages.

Always connect the fixture to a switched circuit. Never connect the fixture to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used only as a 0 to 100% switch.

To determine the power requirements for a particular fixture, see the label affixed to the back plate of the fixture or refer to the fixture's specifications chart. A fixture's listed current rating indicates its average current draw under normal conditions.

Always connect the fixture to a circuit with a suitable electrical ground.

Mounting

Orientation

This fixture may be mounted in any safe position, provided there is adequate room for ventilation.

Rigging

The fixture includes a mounting yoke to which a rigging clamp can be attached. You must supply your own clamp and make sure the clamp is capable of supporting the weight of this fixture. You can order "C" and "O"-clamps from any CHAUVET dealer or distributor (CLP-15, CLP-06 recommended).

There are two types of applications for this fixture: floor stand for up lighting, and overhead use for down lighting.

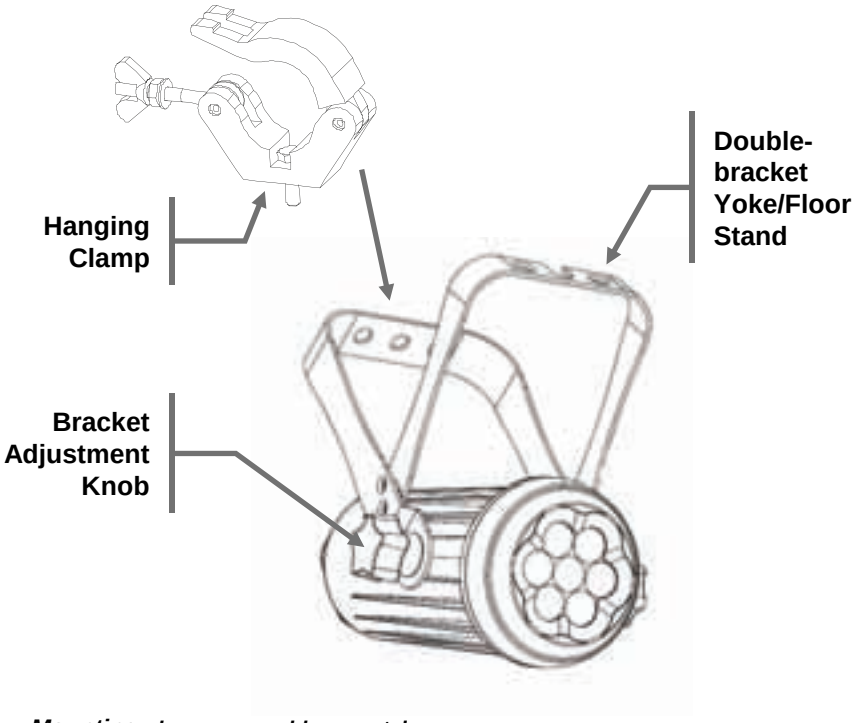
If you are using this fixture for down lighting, you must use at least one safety cable/chain for each fixture in addition to the double-bracket yoke.

If hanging the fixture for overhead use please follow the below steps:

1) Block access below the work area and use a suitable and stable platform when installing or servicing fixture.
2) Always use safety cables. The safety cable must be capable of holding 10 times the weight of the fixture.
3) Verify that the structure can hold 10 times the weight of all to-be installed fixtures.

After prolonged periods of operation, the fixture's chassis may reach high temperatures. This fixture must be mounted in a ventilated location, as it uses natural convection cooling.

Rigging (Cont.)



***Mounting** clamps are sold separately*

Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX controller or to run synchronized shows on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

The fixtures must be linked using DMX cable in a daisy chain (serial) fashion. To comply with the EIA-485 standard, no more than 32 fixtures should be connected on one daisy chain without using a DMX optically-isolated splitter. Doing otherwise may result in deterioration of the digital DMX signal.

USITT recommends limiting the total length of the DMX cable (from the first fixture/controller to the last fixture) to 300 ~ 455 m (985 ~ 1,500 ft).

Data Cabling

To link fixtures together you must obtain data cables. You can purchase CHAUVET certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable, please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

DMX Data Cable

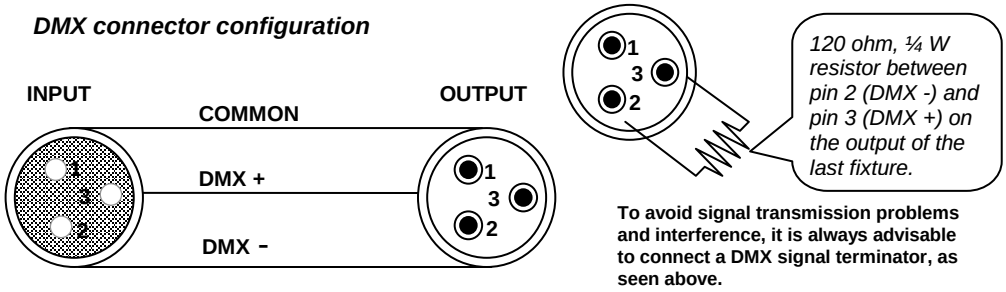
Use a Belden™ 9841 or equivalent cable, which meets the specifications for EIA RS-485 applications. Standard microphone cables cannot transmit DMX data reliably over long distances. The cable must have the following characteristics:

Type:	*shielded, 2-conductor twisted pair*
Maximum capacitance between conductors:	*30 pF/ft*
Maximum capacitance between conductor and shield:	*55 pF/ft*
Maximum resistance:	*20 ohms/1000 ft*
Nominal impedance:	*100 ~ 140 ohms*

Cable Connectors

The cable must have a male XLR connector on one end and a female XLR connector on the other end.

DMX connector configuration



To avoid signal transmission problems and interference, it is always advisable to connect a DMX signal terminator, as seen above.

Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test the cables with an ohmmeter to verify correct polarity, and to make sure the pins are not grounded or shorted to each other.

3-Pin to 5-Pin Conversion Chart

If you use a controller with a 5-pin DMX output connector, you will need to use a 5-pin to 3-pin adapter. You may use the CHAUVET Model number DMX5M, or DMX5F.

The chart below details a proper cable conversion:

3-PIN TO 5-PIN CONVERSION CHART

Conductor	3-Pin Female (Output)	5-Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) signal	Pin 2	Pin 2
Data (+) signal	Pin 3	Pin 3
Not used		Pin 4
Not used		Pin 5

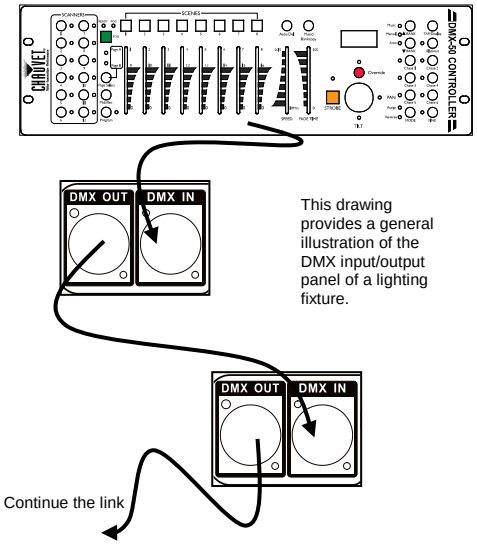
Setting up a DMX Serial Data Link

1. Connect the (male) 3-pin connector side of the DMX cable to the output (female) 3-pin connector of the controller.
2. Connect the end of the cable coming from the controller, which will have a (female) 3-pin connector to the input connector of the next fixture consisting of a (male) 3-pin connector.
3. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.

CHAUVET Certified DMX Data Cables

Order Code	Description
DMX1.5	DMX Cable 1.5 m/4.9 ft
DMX4.5	DMX Cable 4.5 m/14.8 ft
DMX10	DMX Cable 10 m/32.8 ft

Universal DMX Controller

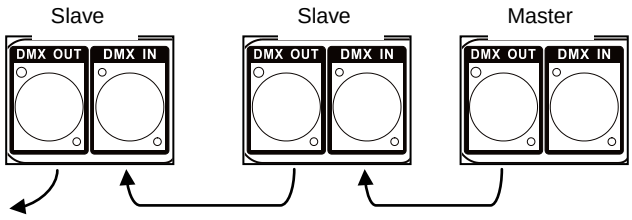


This drawing provides a general illustration of the DMX input/output panel of a lighting fixture.

Master/Slave Fixture Linking

1) Connect the (male) 3-pin connector side of the DMX cable to the output (female) 3-pin connector of the first fixture.
2) Connect the end of the cable coming from the first fixture, which will have a (female) 3-pin connector to the input connector of the next fixture consisting of a (male) 3-pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.

The setup for Master-Slave and Stand-alone operation requires that the first fixture in the chain be initialized as “Master” via settings of the DIP switches on the back of the unit. In addition, each of the fixtures that follow must be set as “Slave.” Please consult the “Operating “Instructions” section in this manual for complete instructions on how to setup the Master/Slave mode.



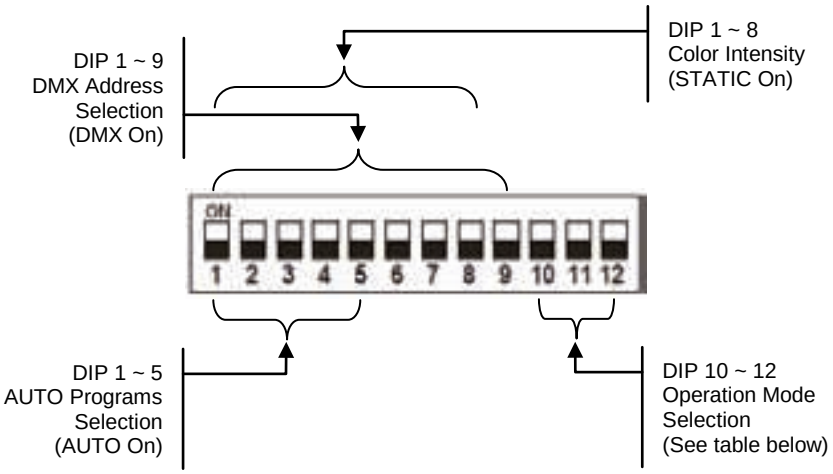
4. OPERATING INSTRUCTIONS

Control Options

The COLORdash™ Accent can operate in DMX mode (3, 4 or 9 channels), AUTO mode and STATIC mode. These modes can be selected by using the DIP switches on the back of the COLORdash™ Accent unit. When working in AUTO or STATIC mode, two or more COLORdash™ Accent units can operate in Master/Slave configuration.

DIP Switch Summary

The DIP switches on the back of the unit are configured as follows:



DIP 10	DIP 11	DIP 12	OPERATION MODE
Off	Off	Off	STAGE 1 (9-Channel DMX)
Off	On	Off	ARC 1 (3-Channel DMX / RGB)
On	On	Off	ARC 2 (4-Channel DMX / RGB+W)
On	Off	Off	Slave/COLOR-CON
On	Off	On	STATIC (Master)
Off	Off	On	AUTO Programs (Master)

AUTO Mode

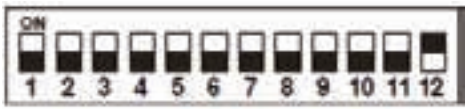
The AUTO mode allows the user to select one of 32 preset programs (0 to 31).

1) Set DIP switches [10] and [11] to **OFF**, and DIP switch [12] to **ON** (AUTO Mode).
2) Select the desired program (0 to 31) by setting DIP switches [1] through [5] to **ON** or **OFF** until the sum of the value of the DIP switches in the **ON** position matches the desired program number. See configuration examples in the next page.
3) The table below shows the value for each DIP switch.

DIP SWITCH	1	2	3	4	5
PROGRAM VALUE	1	2	4	8	16

Examples

a) To select AUTO program **0**, set DIP switches [1] through [5] to **OFF** and DIP switch [12] to **ON**, as seen below.



b) To select AUTO program **10**, set DIP switches [2], [4] and [12] to **ON**, as seen below.

c) To select AUTO program **31**, set DIP switches [1], [2], [3], [4], [5], and [12] to **ON**, as seen below.

Static Mode

When STATIC mode is selected, the COLORdash™ Accent can be set up to various RGB+W intensities without a DMX controller by using the DIP switches on the back of the unit.

1) Set DIP switches [10] and [12] to **ON**, and DIP switch [11] to **OFF** (STATIC Mode).
2) Select the color intensity as per the table below.

LED COLOR→	RED		GREEN		BLUE		WHITE	
COLOR INTENSITY↓	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8
0%	Off	Off	Off	Off	Off	Off	Off	Off
30%	On	Off	On	Off	On	Off	On	Off
60%	Off	On	Off	On	Off	On	Off	On
100%	On	On	On	On	On	On	On	On

Master/Slave Mode

The Master/Slave mode allows one COLORdash™ Accent unit to be the “master” and the other units connected to it to be the “slaves.” Slave units follow the program selected on the master unit.

The unit configured in AUTO or STATIC mode becomes the master unit by default.

To configure the other units as “slave,” make sure that only DIP switch [10] on those units is set to **ON**.

Do not connect the slave units to more than one master unit. Otherwise, the resulting effects would be unpredictable.

DMX Mode

When in DMX mode, the COLORdash™ Accent can use either one of its three distinct personalities: STAGE 1, ARC 1 or ARC 2. These personalities are selected using the DIP switches on the back of the unit.

The STAGE 1 personality uses nine DMX channels, the ARC 1 personality uses only three DMX channels (RGB), and the ARC 2 personality uses four DMX channels (RGB+W).

When all COLORdash™ Accent units are in their 9-channel STAGE 1 personality, it is possible to control up to 56 fixtures with the same DMX controller on a single DMX universe.

Using DMX Mode

If you are unfamiliar with DMX, please read the “DMX Primer” section in the Appendix of this manual.

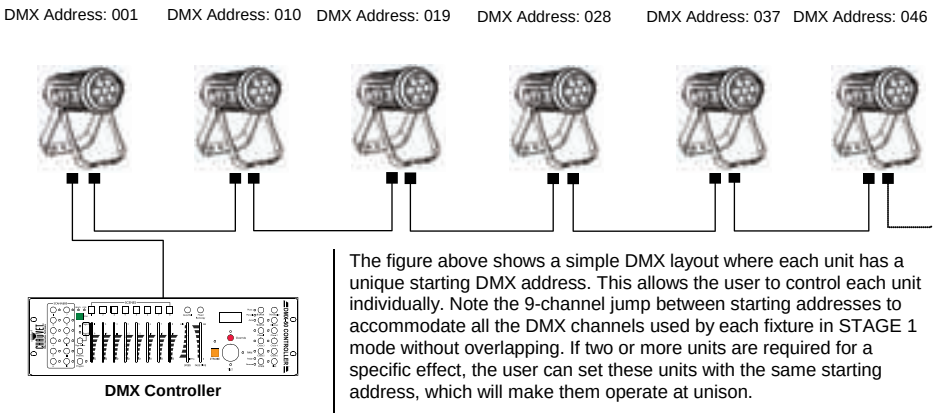
1) Using DMX cables, daisy chain the fixtures, starting from the output of the DMX controller as shown in the “Setting up a DMX Serial Data Link” section.
2) Determine the personality that each COLORdash™ Accent unit in the daisy chain will follow by setting its DIP switches [10], [11] and [12] as indicated in the “Selecting the Unit’s Personality” section.
3) Assign the individual starting DMX address, using DIP switches [1] through [9] on each fixture, as per the instructions in the “Configuring the Starting Address” section.

Setting the Starting DMX address

Each fixture requires a "starting address" from 1 to 512. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the starting address. For example, a fixture that uses seven DMX channels and is addressed to start on DMX channel 100, will read data from channels: 100, 101, 102, 103, 104, 105 and 106. Choose the starting addresses for each fixture so that the channels used do not overlap. In addition, you should note the starting address selected for future reference.

The COLORdash™ Accent uses up to nine DMX channels in the STAGE 1 personality and three DMX channels in the ARC 1 personality. You should configure the starting address accordingly to the chosen personality. If this is your first time using DMX, we recommend you reading the DMX Primer section in the Appendix.

DMX Addressing Example



The figure above shows a simple DMX layout where each unit has a unique starting DMX address. This allows the user to control each unit individually. Note the 9-channel jump between starting addresses to accommodate all the DMX channels used by each fixture in STAGE 1 mode without overlapping. If two or more units are required for a specific effect, the user can set these units with the same starting address, which will make them operate at unison.

In the above example, all units are in the STAGE 1 personality, which uses nine DMX channels. If you are going to use only the RGB or RGB+W channels, you could configure them to use the ARC 1 or ARC 2 personalities instead. This would allow you to control more units with a small DMX controller.

Selecting the Unit's Personality

The COLORdash™ Accent comes with three DMX personalities: STAGE 1, ARC 1 and ARC 2.

- For STAGE 1, set DIP switches [10], [11] and [12] to **OFF**.
- For ARC 1, set DIP switches [10] and [12] to **OFF**, and DIP switch [11] to **ON**.
- For ARC 2, set DIP switches [10] and [11] to **ON**, and DIP switch [12] to **OFF**.

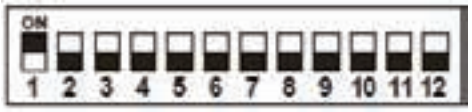
Configuring the Starting Address

In DMX mode, the user can select up to 512 individual addresses. To select a specific address, the user must set to ON DIP switches [1] through [9] until the added up value of the DIP switches in the ON position matches the desired DMX address. The values assigned to each DIP switch are shown below.

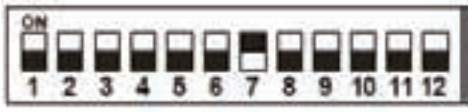
DIP SWITCH	1	2	3	4	5	6	7	8	9
ADDRESS VALUE	1	2	4	8	16	32	64	128	256

Examples (STAGE 1 Personality Selected)

a) To select DMX Address **1**, set DIP switch [1] to **ON**, as shown below.



b) To select DMX Address **64**, set DIP switch [7] to **ON**, as shown below.



c) To select DMX Address **31**, set DIP switches [1], [2], [3], [4] and [5] to **ON**, as shown below.

DMX Channel Values

STAGE 1

CHANNEL	VALUE	FUNCTION
1		**Dimmer**
	000 ⇔ 255	0 ⇔ 100%
2		**Red**
	000 ⇔ 255	0 ⇔ 100%
3		**Green**
	000 ⇔ 255	0 ⇔ 100%
4		**Blue**
	000 ⇔ 255	0 ⇔ 100%
5		**White**
	000 ⇔ 255	0 ⇔ 100%
6		**Color Macro**
	000 ⇔ 010	No Function
	011 ⇔ 035	Red 100% - Green Up - Blue 0%
	036 ⇔ 060	Red Down - Green 100% - Blue 0%
	061 ⇔ 085	Red 0% - Green 100% - Blue Up
	086 ⇔ 110	Red 0% - Green Down -Blue 100%
	111 ⇔ 135	Red Up - Green 0% -Blue 100%
	136 ⇔ 160	Red 100% - Green 0% - Blue Down
	161 ⇔ 185	Red 100% - Green Up - Blue Up
	186 ⇔ 210	Red Down - Green Down - Blue 100%
	211 ⇔ 215	White 1: 3200 K
	216 ⇔ 220	White 2: 3400 K
	221 ⇔ 225	White 3: 4200 K
	226 ⇔ 230	White 4: 4900 K
	231 ⇔ 235	White 5: 5600 K
	236 ⇔ 240	White 6: 5900 K
	241 ⇔ 245	White 7: 6500 K
	246 ⇔ 250	White 8: 7200 K
	251 ⇔ 255	White 9: 8500 K
7		**Strobe**
	000 ⇔ 004	No Function
	005 ⇔ 255	0 ⇔ 20 Hz
8		**Auto**
	000 ⇔ 020	No function
	021 ⇔ 030	Auto 0
	031 ⇔ 040	Auto 1
	041 ⇔ 050	Auto 2
	051 ⇔ 060	Auto 3
	061 ⇔ 070	Auto 4
	071 ⇔ 080	Auto 5
	081 ⇔ 090	Auto 6
	091 ⇔ 100	Auto 7
	101 ⇔ 110	Auto 8
	111 ⇔ 120	Auto 9
	121 ⇔ 130	Auto 10
	131 ⇔ 140	Auto 11
	141 ⇔ 150	Auto 12
	151 ⇔ 160	Auto 13
	161 ⇔ 170	Auto 14
	171 ⇔ 180	Auto 15
	181 ⇔ 190	Auto 16
	191 ⇔ 200	Auto 17
	201 ⇔ 210	Auto 18
	211 ⇔ 220	Auto 19
	221 ⇔ 223	Auto 20 (Red)
	224 ⇔ 226	Auto 21 (Red & Green)
	227 ⇔ 229	Auto 22 (Red & Blue)
	230 ⇔ 232	Auto 23 (Red & White)
	233 ⇔ 235	Auto 24 (Green)
	236 ⇔ 238	Auto 25 (Green & Blue)
	239 ⇔ 241	Auto 26 (Green & White)
	242 ⇔ 244	Auto 27 (Blue)
	245 ⇔ 247	Auto 28 (Blue & White)
	248 ⇔ 250	Auto 29 (White)
	252 ⇔ 253	Auto 30 (Red & Green & Blue)
	254 ⇔ 255	Auto 31 (Red & Green & Blue & White)
9		**Auto Speed**
	0 ⇔ 255	Works only with AUTO 0 ~ 19

ARC 1

CHANNEL	VALUE	FUNCTION
1		**Red**
	000 ⇔ 255	0 ⇔ 100%
2		**Green**
	000 ⇔ 255	0 ⇔ 100%
3		**Blue**
	000 ⇔ 255	0 ⇔ 100%

ARC 2

CHANNEL	VALUE	FUNCTION
1		**Red**
	000 ⇔ 255	0 ⇔ 100%
2		**Green**
	000 ⇔ 255	0 ⇔ 100%
3		**Blue**
	000 ⇔ 255	0 ⇔ 100%
4		**White**
	000 ⇔ 255	0 ⇔ 100%

DMX Operation Notes

Color Combination for All Modes

STAGE 1 and ARC 2

- Channels 2 ~ 5 (STAGE 1) or 1 ~ 4 (ARC 2) can be combined to create over 42 billion color combinations.

ARC 1

- Channels 1 ~ 3 can be combined to create over 16 million color combinations.

STAGE 1 Related Features

Master Dimmer

- Channel 1 (dimmer) controls the intensity of the currently projected color
- When the slider is at the highest position (255), the output intensity is at its maximum.

Color Macros

- Channel 6 selects the required color macro.
- Channel 6 has priority over channels 2, 3, 4 and 5.
- When Color Macro is in use, channel 1 controls the intensity of the current color macro.

Strobe

- Channel 7 controls the strobe of channels 2 ~ 4.
- Channel 7 has priority over Channels 2, 3, 4 and 5.
- The speed of the strobe is adjustable from 0 ~ 20 Hz.

AUTO Programs

- Channel 8 selects the preset AUTO programs (0 ~ 31).
- When activating AUTO programs 0 ~ 19, channel 9 controls the speed at which these AUTO programs execute.

Contact Us

World Wide

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5. APPENDIX

DMX Primer

There are 512 channels in a DMX connection. Channels may be assigned in any manner. A fixture capable of receiving DMX will require one or a number of sequential channels. The user must assign a starting address on the fixture that indicates the first channel reserved in the controller. There are many different types of DMX controllable fixtures and they all may vary in the total number of channels required. Choosing a start address should be planned in advance. Channels should never overlap. If they do, this will result in erratic operation of the fixtures whose starting address is set incorrectly. You can however, control multiple fixtures of the same type using the same starting address as long as the intended result is that of unison movement or operation. In other words, the fixtures will be slaved together and all respond exactly the same.

DMX fixtures are designed to receive data through a serial Daisy Chain. A Daisy Chain connection is where the DATA OUT of one fixture connects to the DATA IN of the next fixture. The order in which the fixtures are connected is not important and has no effect on how a controller communicates to each fixture. Use an order that provides for the easiest and most direct cabling. Connect fixtures using shielded two conductor twisted pair cable with three pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is Data Negative (S-) and pin 3 is Data positive (S+). CHAUVET carries 3-pin XLR DMX compliant cables, DMX-10 (33'), DMX-4.5 (15') and DMX-1.5 (5')

General Maintenance

To maintain optimum performance and minimize wear, fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Be sure to power off fixture before conducting maintenance.

- Unplug fixture from power.
- Use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components.
- Clean all glass when the fixture is cold with a mild solution of glass cleaner or Isopropyl Alcohol and a soft lint free cotton cloth or lens tissue.
- Apply solution to the cloth or tissue and drag dirt and grime to the outside of the lens.
- Gently polish optical surfaces until they are free of haze and lint.

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates. Damp, smoky or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics. Clean with soft cloth using normal glass cleaning fluid. Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

Always dry the parts carefully after cleaning them.

Never spin a fan using compressed air.

Returns Procedure

Returned merchandise must be sent prepaid and in the original packing; call tags will not be issued. Package must be clearly labeled with a Return Merchandize Authorization Number (RMA #). Products returned without the RMA # will be refused. Call CHAUVET and request an RMA # prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to pack fixture properly; any shipping damage resulting from inadequate packaging is the customer's responsibility. As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

CHAUVET reserves the right to use its own discretion to repair or replace product(s).

If you are given an RMA #, please include the following information on a piece of paper inside the box:

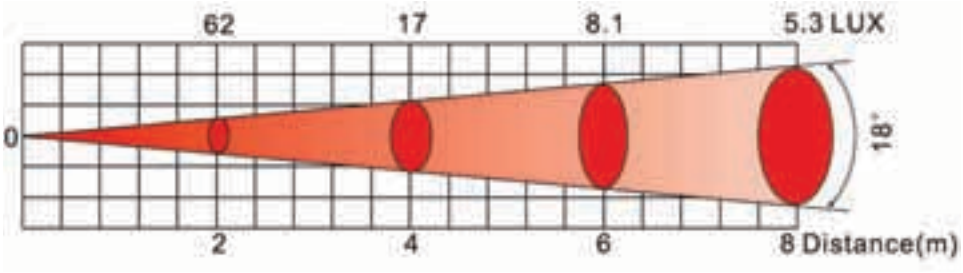
1) Your name
2) Your address
3) Your phone number
4) The RMA #
5) A brief description of the symptoms

Claims

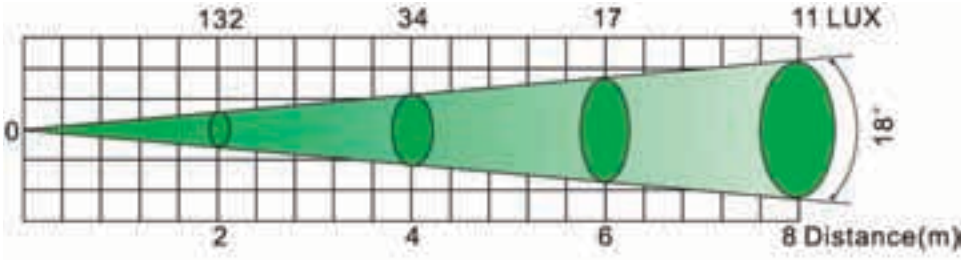
Damage incurred in shipping is the responsibility of the shipper; therefore, the damage must be reported to the carrier upon receipt of merchandise. It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Any other claim for items such as missing component/part, damage not related to shipping, and concealed damage, must be made within seven (7) days of receiving merchandise.

Photometric Data

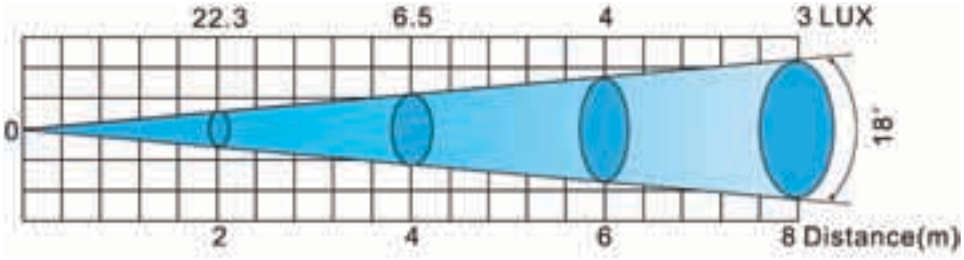
Red



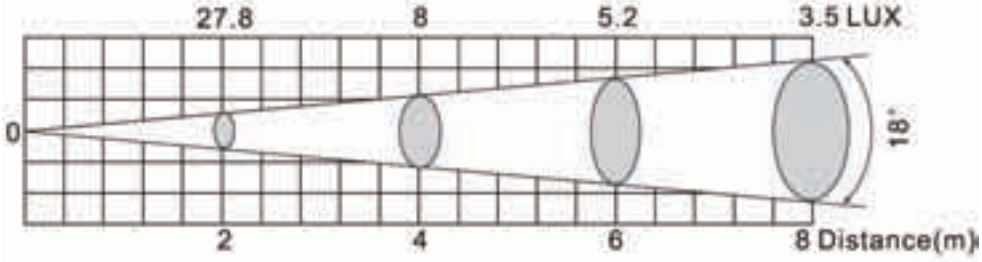
Green



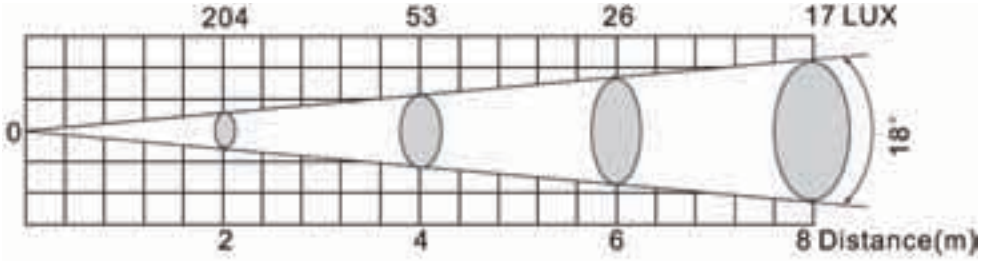
Blue



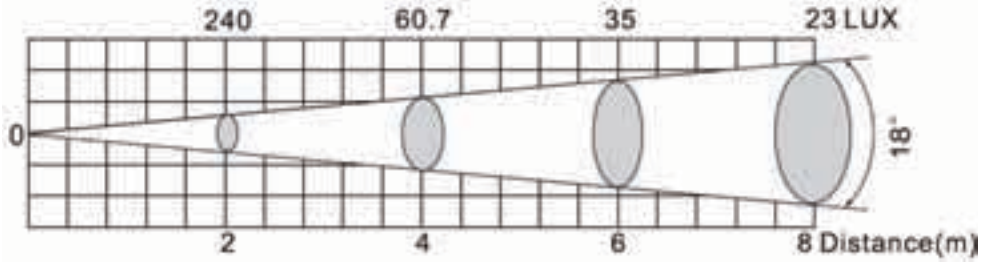
White



RGB



RGBW

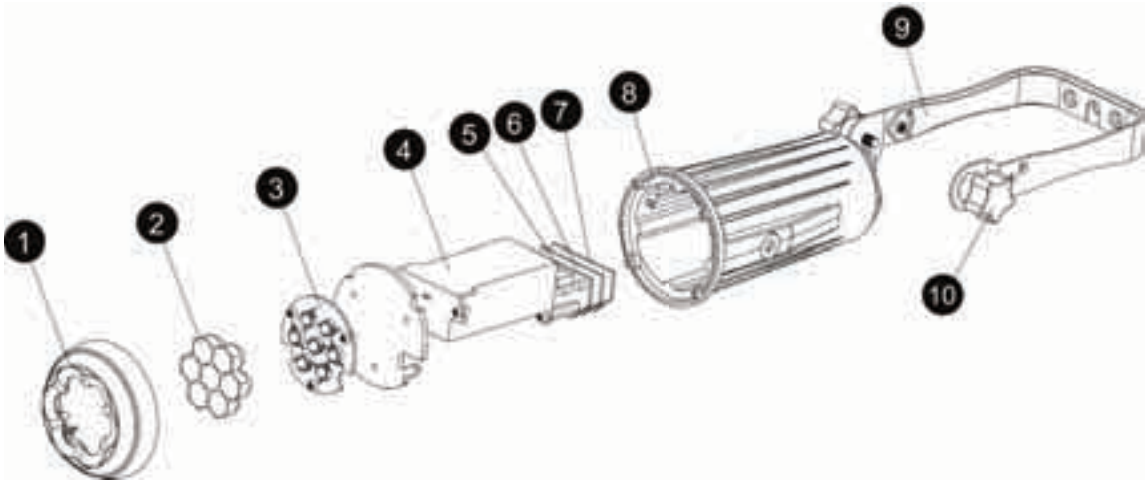


COLORdash™ Accent Service Maintenance Guide

SYMPTOM	POSSIBLE CAUSE(S)	POSSIBLE ACTION(S)
General low light intensity	• Dirty lens assembly	• Clean the fixture regularly.
	• Misaligned lens assembly	• Install lens assembly properly.
White LED does not illuminate	• Faulty LED	• Replace the LED PCB *(Part#: P222-CDALED).*
	• Faulty LED driver	• Replace the LED Driver PCB *(Part # P172-CDADRVP).*
Both red, green or blue LED's are not illuminating	• Opened LED. If any red, green or blue LED opens up, the other LED will not illuminate. This is because they are connected in series.	• Replace the LED PCB *(Part#: P222-CDALED).*
	• Faulty LED driver	• Replace the LED Driver PCB *(Part # P172-CDADRVP).*
Only one red, green or blue LED illuminates	• Short-circuited LED. If any red, green or blue LED shortens, only the other LED will illuminate. This is because they are connected in series.	• Replace the LED PCB *(Part#: P222-CDALED).*
None of the LEDs are illuminating	• Faulty LED PCB	• Replace LED PCB *(Part#: P222-CDALED)*
	• Faulty LED Driver PCB	• Replace LED Driver PCB (*Part#: P172-CDADRVP*)
	• No Auto or Static mode response; faulty main PCB	• Replace Main PCB *(Part#: P170-CDAMAS)*
Breaker/Fuse keeps blowing	• Excessive circuit load	• Check total load placed on the electrical circuit.
	• Short circuit along the power wires	• Check for a short in the electrical wiring (internal and/or external).
Device does not power up	• No power	• Check for power on Mains.
	• Loose power cord	• Check power cord
	• Faulty internal power supply	• Replace internal power supply *(Part#: P140-CDAELTR)*
Fixture is not responding to DMX	• Wrong DMX addressing	• Check Control Panel and unit addressing
	• Damaged DMX cables	• Check DMX cables
	• Wrong polarity settings on the controller	• Check polarity switch settings on the controller
	• Loose DMX cables	• Check cable connections
	• Faulty DMX interface	• Replace DMX interface *(Part#: P170-CDADMX)*
	• Faulty Main PCB	• Replace Main PCB *(Part#: P170-CDAMAS)*
Loss of signal	• Non DMX cables	• Use only DMX compatible cables
	• Bouncing signals	• Install terminator as suggested.
	• Long cable / Low level signal	• Install amplifier right after fixture with strong signal.
	• Too many fixtures	• Install an optically coupled DMX splitter after unit #32.
	• Interference from AC wires	• Keep DMX cables separated from power cables or black lights.

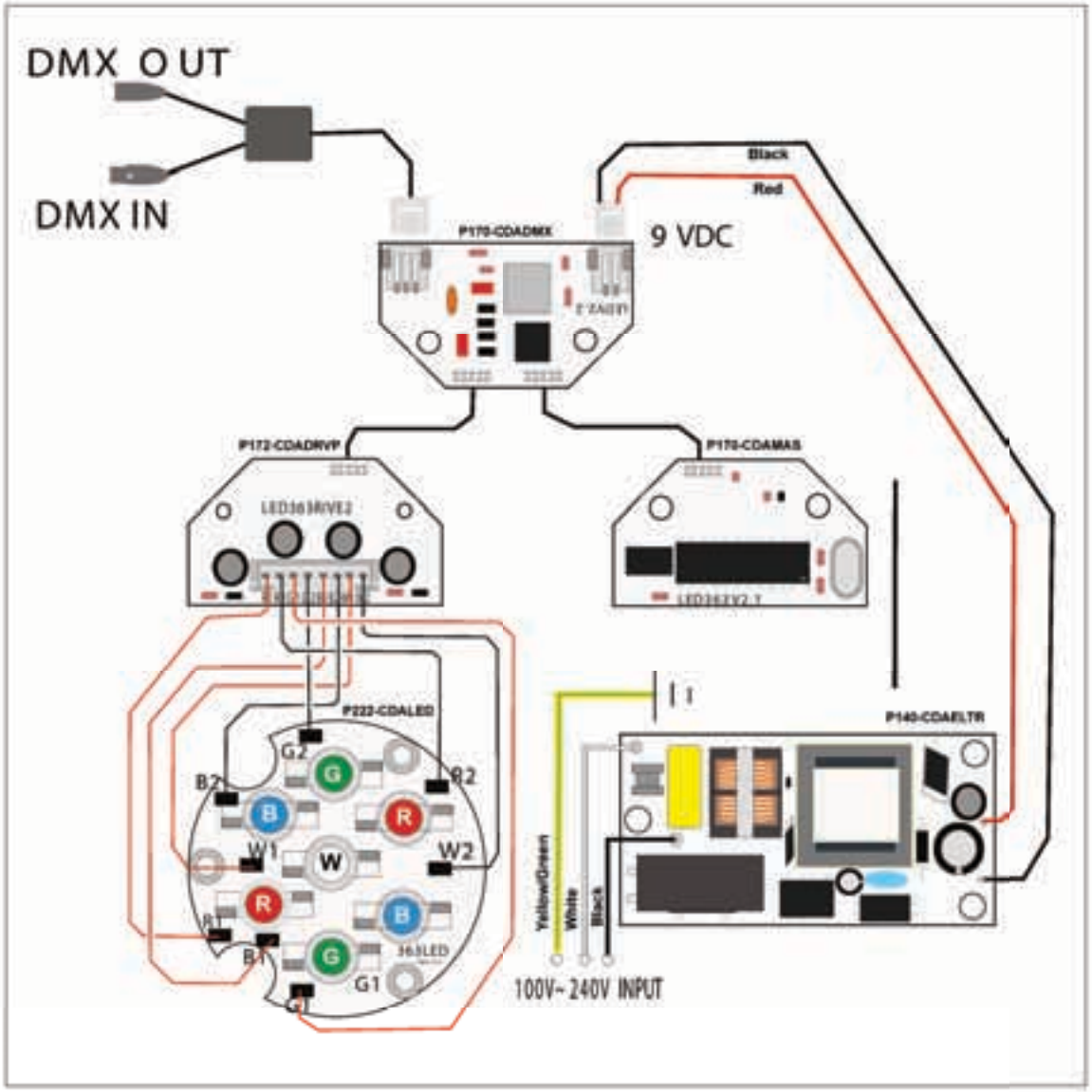
If you still have problems after trying the above solutions, please contact CHAUVET Technical Support. (See "Contact Us")

Exploded View



ITEM	DESCRIPTION	PART NUMBER
1	Front rim cover	P111-CDABFC
2	LED lens assembly (18º)	P290-CDALENS18
3	LED PCB with metal core	P222-CDALED
4	Power supply	P140-CDAELTR
5	LED driver PCB	P172-CDADRVP
6	Power and DMX PCB	P170-CDAPDMX
7	Main PCB (DIP Switches)	P170-CDAMAS
8	Main metal case	P111-CDABMC
9	Bracket	P111-CDARKT
10	Adjustment knob w/washer	P111-CDAKNOB

Wiring Diagram



Technical Specifications

WEIGHT & DIMENSIONS

Length	6.8 in (175 mm)
Width	4.3 in (110 mm)
Height	2.5 in (65 mm)
Weight	1.7 lbs (0.8 kg)

POWER

Autoswitching internal power supply	100 ~ 240 VAC, 50/60 Hz
Power consumption @ 120 V, 60 Hz	10 W (0.1 A) max
Power consumption @ 230 V, 50 Hz	10 W (0.1 A) max

LIGHT SOURCE

LED (normal)	1 W, 350 mA, 7 (2 Red, 2 Blue, 2 Green, 1 White), 50,000 hrs

PHOTO OPTIC (WITH 18° LENS)

Luminance @ 2 m	240 lux
Beam Angle	20°
Field Angle	37.5°

COOLING

Cooling system	Natural convection
Maximum operating temperature	104º F (40º C)

CONTROL & PROGRAMMING

Data input	Locking 3-pin XLR male socket
Data output	Locking 3-pin XLR female socket
Data pin configuration	Pin 1 shield, pin 2 (-), pin 3 (+)
Protocols	USITT DMX512-A
DMX Channels	User Configurable: 3, 4 or 9 channels

STANDARD ORDERING INFORMATION

COLORdash™ Accent	COLORDASHACCENT

WARRANTY INFORMATION

Warranty	2-year limited warranty